

What is claimed is:

1. A method for shooting an original by an image shooting apparatus having a photoelectrically converting device and a scanning mechanism, said method comprising the steps of:

 directing one by one split images of the original including overlapping areas to the photoelectrically converting device by operations of the scanning mechanism;

 shooting the directed split images by the photoelectrically converting device;

 detecting a degree of the operation of the scanning mechanism every directing by the scanning mechanism;

 extracting an effective image from each of the split images based on the detected degree; and

 connecting the extracted effective images in order to complete an image of the original.

2. A method according to claim 1, wherein
 the operation of the scanning mechanism for directing one by one the split images to the photoelectrically converting device is moving an optical system disposed between the photoelectrically converting device and the original.

3. A method according to claim 1, wherein
 the scanning mechanism is stopped at a position where one

of the split images is directed to the photoelectrically converting device and the split image is shot by the photoelectrically converting device while the scanning mechanism is stopped.

4. A method according to claim 3, wherein the scanning mechanism is driven so as to direct a different split image of the original to the photoelectrically converting device every image shooting.

5. A method for connecting split images of an original to obtain an image of the entire original, said method comprising the steps of:

obtaining split images of the original one by one by an operation to change a part of the original which part is directed to an image shooting device;

detecting a degree of said operation; and
connecting the split images in positions in the split images based on the detected degree.

6. A method according to claim 5, wherein the obtained split images each include an overlapping area, and the split images are connected at connection points for which an area marked off from the overlapping area is searched based on the detected degree of operation.

7. A method according to claim 5, wherein the step of calculating a shift between split images based on the detected degree of operation is further included, and the split images are connected together based on the calculated shift.

8. A method according to claim 5, wherein the image of the entire original comprises the split images arranged in a longitudinal and a lateral directions.

9. An image shooting apparatus comprising:
an image shooting device which shoots an optical image of an original;
a directing member which directs split images of the optical image of the original to the image shooting apparatus;
a mechanism which, in order to scan the entire original, changes a part of the original which part is directed to the image shooting apparatus by moving at least the directing member;
a detector which detects, every time the mechanism moves the directing member, a degree of the moving;
a processor which connects the split images based on the detected degree of the moving to thereby complete an image of the entire original.

10. An image shooting apparatus according to claim 9,

wherein

the directing member includes a lens system that forms the split images on the image shooting device, and the mechanism moves the lens system to form the split images on the image shooting device.

11. An image shooting apparatus according to claim 9,

wherein

a resolution of the detection of the degree of the moving is lower than a resolution of image shooting, and the processor performs the steps of:

searching an area defined in a second split image based on the degree of the moving for a second point present in the second split image which second point corresponds to a first point present in a first split image; and

connecting the first split image and the second split image together so that the first point and the corresponding second point coincide with each other.